



IFWO

## RAW SEQUENCE LISTING

DATE: 09/09/2004

PATENT APPLICATION: US/10/785,436

TIME: 09:17:23

Input Set : A:\3DP0544.ST25.txt

Output Set: N:\CRF4\09092004\J785436.raw

3 <110> APPLICANT: Springer, Barry A.  
 4 Pantoliano, Michael W.  
 5 Sharp, Celia M.  
 7 <120> TITLE OF INVENTION: ANALOGS OF HUMAN BASIC FIBROBLAST GROWTH FACTOR MUTATED AT  
 ONE OR  
 8 MORE OF THE POSITIONS GLUTAMATE 89, ASPARATE 101 OR LEUCINE 137  
 10 <130> FILE REFERENCE: 3DP-0544  
 12 <140> CURRENT APPLICATION NUMBER: US 10/785,436  
 C--> 13 <141> CURRENT FILING DATE: 2004-02-23  
 15 <150> PRIOR APPLICATION NUMBER: US 09/722,495  
 16 <151> PRIOR FILING DATE: 2000-11-28  
 18 <150> PRIOR APPLICATION NUMBER: US 09/220,077  
 19 <151> PRIOR FILING DATE: 1998-12-23  
 21 <150> PRIOR APPLICATION NUMBER: US 60/068,667  
 22 <151> PRIOR FILING DATE: 1997-12-23  
 24 <160> NUMBER OF SEQ ID NOS: 3  
 26 <170> SOFTWARE: PatentIn version 3.3  
 28 <210> SEQ ID NO: 1  
 29 <211> LENGTH: 483  
 30 <212> TYPE: DNA  
 31 <213> ORGANISM: Homo sapiens  
 34 <220> FEATURE:  
 35 <221> NAME/KEY: CDS  
 36 <222> LOCATION: (1)..(474)  
 38 <400> SEQUENCE: 1  
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 40 Met Gly Thr Met Ala Ala Gly Ser Ile Thr Thr Leu Pro Ala Leu Pro  
 41 1 5 10 15  
 43 gag gat ggc ggc agc ggc gcc ttc ccg ccc ggg cac ttc aag gac ccc 96  
 44 Glu Asp Gly Gly Ser Gly Ala Phe Pro Pro Gly His Phe Lys Asp Pro  
 45 20 25 30  
 47 aag cgg ctg tac tgc aaa aac ggg ggc ttc ttc ctg cgc atc cac ccc 144  
 48 Lys Arg Leu Tyr Cys Lys Asn Gly Gly Phe Phe Leu Arg Ile His Pro  
 49 35 40 45  
 51 gac ggc cga gtt gac ggg gtc cgg gag aag agc gac cct cac atc aag 192  
 52 Asp Gly Arg Val Asp Gly Val Arg Glu Lys Ser Asp Pro His Ile Lys  
 53 50 55 60  
 55 cta caa ctt caa gca gaa gag aga gga gtt gtg tct atc aaa gga gtg 240  
 56 Leu Gln Leu Gln Ala Glu Glu Arg Gly Val Val Ser Ile Lys Gly Val  
 57 65 70 75 80  
 59 tgt gct aac cgg tac ctg gct atg aaa gaa gat ggt cga ctg ctg gct 288  
 60 Cys Ala Asn Arg Tyr Leu Ala Met Lys Glu Asp Gly Arg Leu Leu Ala  
 61 85 90 95  
 63 tct aaa tgc gtt acc gat gag tgc ttc ttc ttc gaa cgt ctc gag tct 336

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64 Ser Lys Cys Val Thr Asp Glu Cys Phe Phe Phe Glu Arg Leu Glu Ser
65          100          105          110
67 aac aac tac aac acc tac cgt tcg aga aaa tac acc agt tgg tat gtg      384
68 Asn Asn Tyr Asn Thr Tyr Arg Ser Arg Lys Tyr Thr Ser Trp Tyr Val
69          115          120          125
71 gca ctt aag cgt acc ggt cag tac aaa ctt ggt tct aag acg ggc cca      432
72 Ala Leu Lys Arg Thr Gly Gln Tyr Lys Leu Gly Ser Lys Thr Gly Pro
73          130          135          140
75 ggt cag aaa gct atc ctg ttc ctg ccg atg tct gct aaa tct tgaggatcc      483
76 Gly Gln Lys Ala Ile Leu Phe Leu Pro Met Ser Ala Lys Ser
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95 Lys Arg Leu Tyr Cys Lys Asn Gly Gly Phe Phe Leu Arg Ile His Pro
96          35          40          45
99 Asp Gly Arg Val Asp Gly Val Arg Glu Lys Ser Asp Pro His Ile Lys
100          50          55          60
103 Leu Gln Leu Gln Ala Glu Glu Arg Gly Val Val Ser Ile Lys Gly Val
104 65          70          75          80
107 Cys Ala Asn Arg Tyr Leu Ala Met Lys Glu Asp Gly Arg Leu Leu Ala
108          85          90          95
111 Ser Lys Cys Val Thr Asp Glu Cys Phe Phe Phe Glu Arg Leu Glu Ser
112          100          105          110
115 Asn Asn Tyr Asn Thr Tyr Arg Ser Arg Lys Tyr Thr Ser Trp Tyr Val
116          115          120          125
119 Ala Leu Lys Arg Thr Gly Gln Tyr Lys Leu Gly Ser Lys Thr Gly Pro
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123 Gly Gln Lys Ala Ile Leu Phe Leu Pro Met Ser Ala Lys Ser
124 145          150          155

127 <210> SEQ ID NO: 3
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135 ttttttgaac gattggaatc taataactac aatacttacc gctcgagaaa atacaccagt      120
137 tggatatgtgg cacttaagcg taccggtcag tacaagcttg gttctaaaac gggcc      175

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/785,436

DATE: 09/09/2004

TIME: 09:17:24

Input Set : A:\3DP0544.ST25.txt

Output Set: N:\CRF4\09092004\J785436.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date